

Performance Data Sheet

VSC5554ENA

General Information

Model	VSC5554ENA	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	20700	19500					
	Watts	2510	2890					
	Amps	12.6	13.5					
	Lb/h	266	261					
-10	Btu/h	22200	21000	19400				
	Watts	2530	2890	3300				
	Amps	12.8	13.7	15.0				
	Lb/h	284	279	270				
-5	Btu/h	24200	23000	21400	19500			
	Watts	2550	2900	3290	3750			
	Amps	13.0	13.8	15.1	16.8			
	Lb/h	308	304	296	281			
0	Btu/h	26800	25500	23900	22000	19500		
	Watts	2560	2900	3290	3730	4260		
	Amps	13.1	13.9	15.1	16.8	19.1		
	Lb/h	339	335	328	314	293		
5	Btu/h	29900	28400	26800	24800	22400		
	Watts	2570	2910	3280	3710	4230		
	Amps	13.2	14.0	15.2	16.8	19.0		
	Lb/h	376	372	365	353	334		
10	Btu/h	33400	31800	30100	28100	25700	22700	19000
	Watts	2570	2910	3280	3700	4190	4790	5520
	Amps	13.3	14.0	15.2	16.8	19.0	21.6	24.8
	Lb/h	418	413	407	397	380	354	317
15	Btu/h	37500	35700	33800	31800	29300	26400	22800
	Watts	2570	2910	3270	3680	4170	4750	5450
	Amps	13.3	14.1	15.2	16.8	18.9	21.5	24.7
	Lb/h	465	460	454	444	429	407	373
20	Btu/h	41900	39900	37900	35700	33300	30400	26800
	Watts	2550	2900	3260	3670	4150	4720	5400
	Amps	13.4	14.1	15.2	16.8	18.9	21.5	24.6
	Lb/h	518	511	505	497	483	463	433

25	Btu/h	46900	44600	42400	40100	37500	34600	31100
	Watts	2530	2890	3250	3660	4130	4690	5350
	Amps	13.4	14.1	15.2	16.8	18.9	21.4	24.5
	Lb/h	575	567	561	553	541	522	496
30	Btu/h	52200	49600	47200	44700	42000	39000	35500
	Watts	2500	2870	3240	3650	4120	4670	5320
	Amps	13.4	14.1	15.2	16.8	18.9	21.4	24.4
	Lb/h	637	628	620	612	601	585	561
35	Btu/h	57900	55000	52300	49600	46800	43700	40200
	Watts	2460	2840	3230	3640	4110	4650	5290
	Amps	13.4	14.1	15.2	16.8	18.8	21.4	24.4
	Lb/h	703	692	683	675	665	651	629
40	Btu/h	64000	60800	57800	54800	51800	48600	45000
	Watts	2410	2800	3200	3630	4100	4640	5270
	Amps	13.3	14.1	15.2	16.8	18.9	21.4	24.4
	Lb/h	773	760	750	741	732	719	700
45	Btu/h	70500	66900	63500	60300	57100	53700	50000
	Watts	2340	2760	3170	3610	4090	4630	5260
	Amps	13.3	14.0	15.2	16.8	18.9	21.4	24.4
	Lb/h	847	831	820	810	801	789	772
50	Btu/h	77300	73200	69500	66000	62500	59000	55100
	Watts	2260	2700	3140	3590	4070	4620	5250
	Amps	13.2	14.0	15.2	16.8	18.9	21.4	24.5
	Lb/h	924	905	892	882	872	861	846
55	Btu/h	84400	79900	75800	71900	68200	64400	60400
	Watts	2170	2640	3100	3560	4060	4620	5250
	Amps	13.2	14.0	15.2	16.9	18.9	21.5	24.6
	Lb/h	1000	983	967	955	946	935	921

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.765396E+04	-1.565275E+03	2.062866E+01	5.219722E+02
C2	1.151313E+03	-2.504849E+01	4.619481E-02	1.326900E+01
C3	-5.580266E+02	9.547211E+01	-2.243713E-01	-6.792592E+00
C4	1.553136E+01	-6.035686E-01	-1.569888E-03	1.648443E-01
C5	-1.198202E+01	7.360821E-01	4.059640E-05	-1.541132E-01
C6	5.757054E+00	-8.634100E-01	1.361701E-03	8.764228E-02
C7	-2.407790E-02	-1.241151E-03	2.617469E-06	-3.599416E-04
C8	-6.774512E-02	6.295247E-03	1.274883E-05	-5.916879E-04
C9	5.817560E-02	-4.968298E-03	-4.070468E-06	9.044456E-04
C10	-2.552540E-02	3.938221E-03	3.320586E-06	-3.914127E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature